

## PROGRAM - PROGRAMM

### 26. DEUTSCHSPRACHIGES DIATOMOLOGEN TREFFEN (DDT)

DONNERSTAG (22.03.2012)

- 10:00-12:00 ANMELDUNG der Teilnehmer (ÜR1)
- 10:30-11:30 **Workshop: Bestimmung planktischer zentrischer Kieselalgen aus österreichischen Alpen- und Voralpenseen** (ÜR2)  
Rott E., Niedermayr R., Kofler W.
- 11:30-12:00 Mikroskopie zentrischer Kieselalgen (ÜR2)
- 12:00-14:00 MITTAGSPAUSE
- 14:00-14:30 **Wenn Kunst Wissen schafft...** (ÜR2)  
Gesierich D.
- 14:30-15:00 *Didymosphenia*. **Arten und Verbreitung** (ÜR2)  
Metzeltin D.
- 15:00-16:00 **Workshop: Schalenmerkmale von *Gomphonema*-Arten in der modernen Taxonomie** (ÜR2)  
Reichardt E.
- 16:00-18:00 **Expertenkaffee: Zentrische im Fokus:** V. Houk, R. Klee & H. Lange-Bertalot sind anwesend; Lichtmikroskopie (ÜR1)
- 18:00-19:00 6<sup>th</sup> CE-DIATOM Meeting REGISTRATION Start (HSB)
- 19:00-21:30 **FOR BOTH MEETINGS**  
**Get-together** with snacks and drinks in the Foyer and Green houses of the Botanical garden with live folk music string quartett (2 blocks at 7:30h and 8:30h) in type of a Wandelkonzert (in the Mediterranean House or the Foyer)  
**Wandelkonzert** (Mediterranhaus im Botanischen Garten)

### 6<sup>TH</sup> CENTRAL EUROPEAN DIATOM MEETING (CE-DIATOM)

FRIDAY (23.03.2012)

- 8:00-9:30 REGISTRATION of participants (HSB) / Poster set-up
- 9:00-9:10 **Conference opening (HSA)**  
Welcome (Vice Rector for Teaching and Students Prof. Roland Psenner, Head of the Institute Prof. Klaus Oegg)
- Biology meets Molecular approaches**  
**Chair: Regine Jahn, Eileen Cox**
- 9:10-9:40 **What controls diatom wall morphogenesis? Developing a synthetic approach to understanding character evolution and stability, and its relevance to diatom identification and systematics**  
Cox E. (Key note speaker)

- 9:40-10:10 **Morphological transformation of the marine planktonic diatom *Thalassiosira allenii* Takano (Diatomophyta) during auxosporulation, in culture conditions**  
Hernandez-Becarrill D.U. (Key note speaker), Salazar-Paredes, J., Barón-Campis, S.A.
- 10:10-10:30 **Why is a complex approach in diatom taxonomy useful?**  
Pouličková A., Hašler P., Dvořák P., Mazalová P.
- 10:30-11:10 **Sexual reproduction and speciation**  
Mann D. (Key note speaker), Sato S.
- 11:10-11:40 COFFEE BREAK
- 11:40-12:10 **Speciation in diatoms: how important are geographic and reproductive isolation mechanisms?**  
Sabbe K. (Key note speaker), Verleyen E., Vanormelingen P., Vyverman W.
- 12:10-12:35 **Diatom research: towards cybertaxonomy**  
Jahn R. (Key note speaker), Zimmermann J., Abarca N., von Mering S., Kusber W.-H.
- 12:35-13:00 **Diatom DNA Barcoding: Voucher, DNA and Data Management based on GBIF, AlgaTerra and the DNA Bank Network**  
Zetzsche H., Dröge G., Kusber W.-H., Jahn R.
- 13:00-15:00 LUNCH BREAK
- Palaeolimnology (HSA)**  
**Chair: Karin Koinig, Steve Juggins**
- 15:00-15:30 **Can we trust diatom-based environmental reconstructions?**  
Juggins S. (Key note speaker)
- 15:30-15:50 **Rapid climatic changes (RCCs) as reflected by diatom records in the South Carpathian Mountains (Romania)**  
Buczkó K., Magyari, E., Braun, M.
- 15:50-16:10 **Sediment diatoms of Lake Garda, the largest Italian lake**  
Milan M., Tolotti M.
- 16:10-16:30 **Biochronology and taxonomy of *Aulacoseira* species in the Neogene Basins on the Balkan Peninsula**  
Ognjanova-Rumenova N., Crawford, R., Hinz F.
- 16:30-17:00 COFFEE BREAK
- 17:00-17:20 **The diatom sediment record of a high arctic lake (Hajeren, Svalbard) and its relation to changes in geochemistry and mineralogy**  
Koinig K., Holm T.M., Hormes, A., Tessadri R., Pla S., Psenner, R.
- 17:20-17:40 **Diatom-inferred history of Bliss Lake, northernmost Greenland**  
Ludikova A., Olsen J.

- 17:40-18:00 **The Holocene glacial and climate history of Prince Gustav Channel, northeastern Antarctic Peninsula inferred from lake sediment records**  
Vyverman W., Verleyen E., Hodgson D., Tavernier I., Fernandez-Carazo R., Roberts S.J., Sterken M., Whitehouse P.L., Newman L., Sabbe K., Wilmotte A., Balbo A., Bentley M.J., Moreton S.G.
- 18:00-18:20 **Sea surface temperature and sea ice reconstructions based on diatoms and organic proxies in the Nordic seas: the last 150,000 years**  
Hoff U., Rasmussen, T.L., Koç N., Ezat M.
- 18:20-19:30 **Postersession 1 (ÜR1): Palaeolimnology, Taxonomy, Springs**  
Optional Microscopy (ÜR2)  
**Chair: Marco Cantonati**

#### **SATURDAY (24.03.2012)**

- 8:15-15.45 **Optional excursion “Nature meeting culture” guided by Dr. Peter Pfister**
- 8:15 **Meeting point in front of the Landestheater, Rennweg 2** (in town)
- 8:30 Departure of the coach to Seefeld in Tirol, a famous mid-altitude mountain resort at 1200 m. Optional tour around the natural calcareous lake and its peat bogs. Keep in mind that at this time of the year there will be still snow and wet areas. You can ask for sampling gear and facilities. As alternative several options of coffee shops near the lake are inviting you.
- 10:30 Depature from Seefeld to Hall in Tirol, a city with a famous medieval town centre, where you take part an expert guided tour (optinal groups in German or English). After 90 min you have the option to take lunch in a local restaurant where seats are reserved for you.
- 15:00 Return to Innsbruck with option to stop near the Botanical institute.
- 15:30-16:00 REGISTRATION of participants  
**Biogeography and Taxonomy (HSA)**  
**Chair: Monica Tolotti**
- 16:00-16:30 **Biogeography of diatoms with particular attention to the benthic flora of Lake Baikal**  
Lange-Bertalot H. (Key note speaker), Kulikovskiy M.
- 16:30-16:50 **The role of historical collections in understanding diatom diversity and taxonomy in Lake Baikal**  
Kulikovskiy M., Khursevich G., Lange-Bertalot H., Witkowski A.
- 16:50-17:20 **Ultrastructure of *Diatomella balfouriana* with a discussion of septum-like structures in diatom genera**  
Van de Vijver B. (Key note speaker), Ector L., Cox E.J.
- 17:20-17:45 COFFEE BREAK

17:45-19:15 **Postersession 2 (Foyer of the Green Houses):  
Biomonitoring, Biogeography**  
Chair: Bart Van de Vijver  
Optional Microscopy session (ÜR2)

19:45-open end DINNER (Stiftskeller, Stiftsgasse 1)

## SUNDAY (25.03.2012)

### **Biomonitoring, Toxicology, Ecology (HSA)**

Chair: David Mann

- 9:00-9:20 **Diatoms in Swedish streams with low to high toxin contamination: Are diatom biological traits a better bioindicator than valve malformation?**  
Kahlert M.
- 9:20-9:40 **Ecological guild composition of littoral diatom assemblages shifts along environmental gradients**  
Gottschalk S., Kahlert, M.
- 9:40-10:00 **Integrating complexity dimension in ecotoxicology: case of herbicide impact on benthic diatoms**  
Rimet F., Larras F., Montuelle B., Bouchez A.
- 10:00-10:20 **Benthic diatoms in the frame of an adaptive-biology study (water-level-fluctuations-related stressors) of the rhodophyte *Bangia atropurpurea* in the phytobenthos of the large, peri-Alpine Lake Garda (ACE-SAP.A2.WP2)**  
Cantonati M., Scalfi, A., Lange-Bertalot, H., Spitale, D.
- 10:20-10:50 COFFEE BREAK
- 10:50-11:10 **Diatom composition of Hungarian and Austrian small saline lakes**  
Lengyel E., Crossetti O.L., Stenger-Kovács C.
- 11:10-11:30 **Interdisciplinary approaches in hydrology: biodiversity of aquatic-terrestrial diatoms as tracers for documenting hydrological processes and water connectivity of stream-zone systems in Luxembourg**  
Wetzel C., Hlúbíková D., Martínez-Carreras N., Hoffmann L., Pfister L, Ector L.
- 11:30-12:30 **Closing of the conference**  
Chair: Regine Jahn

## POSTER SESSIONS

### POSTER SESSION 1 – Palaeolimnology, Springs, Taxonomy (Friday) Chair: Marco Cantonati

#### 1A. PALAEO LIMNOLOGY (P1 – P3)

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**P1: Calibrating the biological record in Nylandssjön (Sweden): To what extent do preserved diatoms in the lake sediments reflect seasonal biological processes?**

Maier D., Gälman V., Bigler C., Renberg I.

**P2: Holocene Central Asian climate dynamics reconstructed from lake sediments**

Schwarz A., Klopschar M., Schwalb A.

**P3: Palaeolimnological studies of Central European Lakes within the EU Project EULAKES**

Tolotti M., Milan M., Boscaini A., Salmaso N.

#### 1B. SPRINGS (S1 – S4)

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**S1: Diatoms from alkaline iron springs near St. Petersburg**

Smirnova S., Ulanova A.

**S2: Rare diatom species in spring habitats in Switzerland**

Taxböck L.

**S3: Benthic diatom diversity of mountain springs and streams in Vitosha Mt. Nature Park, Bulgaria. A morphological characterization of one new Gomphonema species**

Tsvetelina I., Plamen I.

**S4: The structure of diatom communities in a selected fresh groundwater spring site at “Cavana di Monfalcone” (SCI) (North-East Italy)**

Zorza R., Celio M., Rossin P., Mattassi G.

#### 1C. TAXONOMY (T1 – T5)

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**T1: Taxonomy, morphology and ultrastructure of the diatom genus *Mastogloia* from areas affected by *Caulerpa racemosa* and *Caulerpa taxifolia* (Adriatic Sea coast, Croatia)**

Car A., Witkowski A., Dobosz S., Jasprica N., Płociński T., Budniak I.

**T2: Morphology of *Stephanodiscus triporus* Genkal et Kuzmin and related taxa**

Kiss A.K., Kiss K., Genkal S.I., Ector L., Molnár L., Ács É.

**T3: Observations on the triundulate *Luticola* species**

Mitić-Kopanja D., Pavlov A., Cvetkoska A., Jovanovska E., Metzeltin D., Levkov Z.

**T4: *Frustulia* species of the "Vepsskiy forest" Natural Park**

Nesterovich A.

**T5: A new *Licmophora* species from Southeastern Greece**

Stepanova V., Ulanova A.

**POSTER SESSION 2 – Biogeography, Biomonitoring & Ecol. (Saturday)**  
**Chair: Bart Van de Vijver**

**2A. BIOGEOGRAPHY – Freshwater (BO1 – BO7)**

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**BO1: Contribution to the diatom flora of Cambodia: five new freshwater taxa**

Blanco S., Álvarez-Blanco I., Cejudo-Figueiras C., Bécares E.

**BO2: Comparative study of morphological variability of *Cyclotella* taxa in recent and fossil diatom assemblages from lakes Ohrid and Prespa (Macedonia / Albania / Greece)**

Cvetkoska A., Kopanja, D.M., Rumenova N.O., Reed J.M., Hamilton P.B., Levkov Z.

**BO3: A comparison of the genus *Diploneis* Cleve between Lake Ohrid (Macedonia) and Lake Hövsgöl (Mongolia)**

Jovanovska E., Edlund B.M., Levkov Z.

**BO4: The genus *Diadesmis* in the Antarctic region**

Kopalová K., Zidarova R., Lowe R., Van de Vijver B.

**BO5: Observations on the genus *Hippodonta* in selected ancient lakes**

Pavlov A., Levkov Z., Williams, D.M., Edlund M.B.

**BO6: Diatoms and a paramelitid amphipod from a puddle on Table Mountain (South Africa)**

Schletterer M., Grabowski M., Gesierich D.

**BO7: Two rare *Surirella* species from Northeastern U.S.**

Vesela J., Johansen J.R.

**2B. BIOGEOGRAPHY – Marine / Saline (BO8 – BO11)**

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**BO8: New diatom taxa from high-altitude Andean saline lakes**

Álvarez-Blanco I., Blanco S., Cejudo-Figueiras C., Bécares E.

**BO9: The littorina transgression in the western Baltic - investigated by diatom analyses**

Blume K.

**BO10: The diatom flora in temporary ponds of Doñana National Park (SW Spain): six new taxa**

Cejudo-Figueiras C., Blanco S., Álvarez-Blanco I., Recio J.,M., Bécares E., Díaz del Olmo F.

**BO11: Small diatoms from Australian coastal waters: taxonomical composition and morphological observations**

Ulanova A., Henderiks J., Thompson P.

## **2C. BIOMONITORING & ECOLOGY (BE1 – BE5)**

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**BE1: Species composition and abundance of marine diatoms from Bosnia and Herzegovina: autumn aspect (Adriatic Sea)**

Hafner D., Car A., Jasprica N.

**BE2: Detection of diatoms in case of drowning - Case and experimental studies**

Nikoloska D., Čakar Z., Stankov A., Mitić-Kopanja D., Nikolova K., Levkov, Z.

**BE3: Ecological Assessment of Great Lota Lake (Turkey) on the base of Diatom Communities**

Sivaci R.E., Barinova S., Solak C.N., Çobanoğlu K.

**BE4: Diatom ecological guilds as indicators of temporally changing stressors and disturbances in the small Torna-stream, Hungary**

Stenger-Kovács C., Lengyel E., Crossetti O.L., Üveges V., Padisák J.

**BE5: Recolonization of benthic diatoms in the Torna-stream after the red sludge disaster (Devecser, Hungary)**

Szabó B., Biró R., Lengyel E., Stenger-Kovács C.